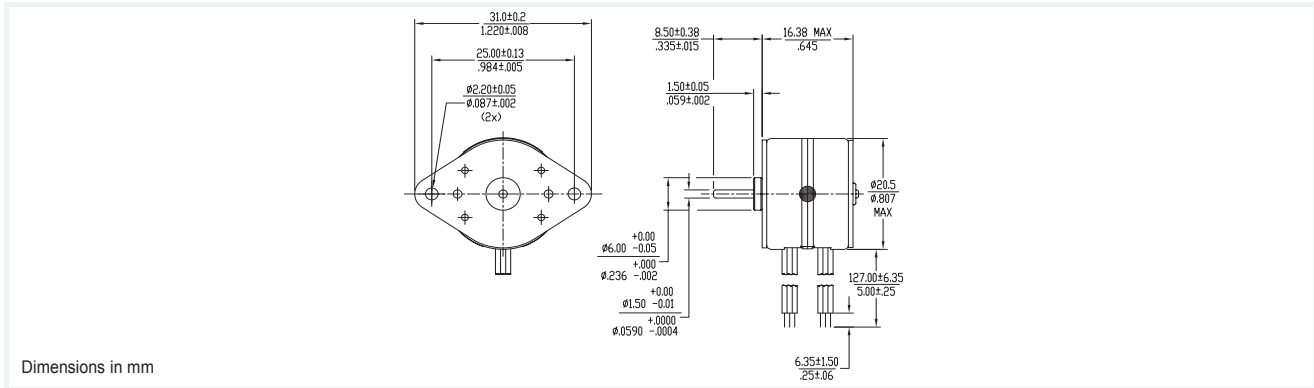


20M024D

RoHS Compliant

Ø20mm

11 mNm



Dimensions in mm

20M024D

Electrical Data	20M024D1U Unipolar	20M024D2U Unipolar	20M024D1B Bipolar	20M024D2B Bipolar	
1 Operating Voltage	5	12	5	12	VDC
2 Resistance per Phase, ± 10%	20.0	115.2	20.0	115.2	Ohms
3 Inductance per Phase, typ	3.9	20.3	7.8	52.8	mH
4 Rated Current per Phase *	0.25	0.10	0.25	0.10	A
<b>Coil independent parameters</b>					
5 Holding Torque, MIN *	7.8	11.0	11.0	7.8	mNm (oz-in)
6 Detent Torque, Max		3.87 (0.55)			mNm (oz-in)
7 Rotor Inertia		0.41 (0.00225)			gcm <sup>2</sup> (oz-in-s <sup>2</sup> )
8 Step Angle		15.0			Degree
9 Absolute accuracy 2 ph. On, Full step		±1			Degree
10 Steps per Revolution		24			
11 Ambient Temp Range (operating)		-20 TO 70 (-4 TO 158)			°C (°F)
12 Maximum Coil Temperature		130 (266)			°C (°F)
13 Bearing Type		Sintered Bronze Sleeve			
14 Insulation Resistance at 500 VDC		100			Mohms
15 Dielectric Withstanding Voltage		450 VRMS for 2 seconds			VAC
16 Weight		23.5 (0.83)			g (oz)
17 Leadwire		AWG #28, UL1429 (80° C, 150 V)			

All Motor Data Values at 20°C Unless Otherwise Specified

\* Energize at Rated Current, 2 Phase On

